

Martin Reisslein

List of Publications by Year in descending order

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241
papers

9,398
citations

50244

46
h-index

49868

87
g-index

243
all docs

243
docs citations

243
times ranked

6452
citing authors

#	ARTICLE	IF	CITATIONS
1	CNA-TCC: Campaign Network Attribute Based Thematic Campaign Classification. IEEE Transactions on Computational Social Systems, 2024, , 1-13.	3.2	0
2	Cloud-Based Charging Management of Heterogeneous Electric Vehicles in a Network of Charging Stations: Price Incentive Versus Capacity Expansion. IEEE Transactions on Services Computing, 2022, 15, 1693-1706.	3.2	4
3	Automated Classification of Societal Sentiments on Twitter With Machine Learning. IEEE Transactions on Technology and Society, 2022, 3, 100-110.	2.4	15
4	X-MAN: A Non-Intrusive Power Manager for Energy-Adaptive Cloud-Native Network Functions. IEEE Transactions on Network and Service Management, 2022, 19, 1017-1035.	3.2	3
5	Social media influence, trust, and conflict: An interview based study of leadership perceptions. Technology in Society, 2022, 68, 101836.	4.8	8
6	Packet Header Compression: A Principle-Based Survey of Standards and Recent Research Studies. IEEE Communications Surveys and Tutorials, 2022, 24, 698-740.	24.8	11
7	Federated Edge Network Utility Maximization for a Multi-Server System: Algorithm and Convergence. IEEE/ACM Transactions on Networking, 2022, 30, 2002-2017.	2.6	4
8	VeNet: Hybrid Stacked Autoencoder Learning for Cooperative Edge Intelligence in IoV. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 16643-16653.	4.7	7
9	Ubi-Flex-Cloud: ubiquitous flexible cloud computing: status quo and research imperatives. Applied Computing and Informatics, 2022, ahead-of-print, .	3.7	3
10	FSW: Fulcrum Sliding Window Coding for Low-Latency Communication. IEEE Access, 2022, 10, 54276-54290.	2.6	16
11	An SDN architecture for time sensitive industrial IoT. Computer Networks, 2021, 186, 107739.	3.2	64
12	Semantically Modeling Cyber Influence Campaigns (CICs): Ontology Model and Case Studies. IEEE Access, 2021, 9, 9365-9382.	2.6	2
13	Traces for the Tactile Internet: Architecture, concepts, and evaluations. , 2021, , 321-349.		0
14	5G Campus Networks: A First Measurement Study. IEEE Access, 2021, 9, 121786-121803.	2.6	69
15	Real-Time Compression for Tactile Internet Data Streams. Sensors, 2021, 21, 1924.	2.1	2
16	Importance of Internet Exchange Point (IXP) infrastructure for 5G: Estimating the impact of 5G use cases. Telecommunications Policy, 2021, 45, 102091.	2.6	28
17	FedCo: A Federated Learning Controller for Content Management in Multi-party Edge Systems. , 2021, , .		5
18	Mobility- and Energy-Aware Cooperative Edge Offloading for Dependent Computation Tasks. Network, 2021, 1, 191-214.	1.5	14

#	ARTICLE	IF	CITATIONS
19	Design of a small-scale and failure-resistant IaaS cloud using OpenStack. Applied Computing and Informatics, 2021, , .	3.7	5
20	Correction to "Fulcrum: Flexible Network Coding for Heterogeneous Devices". IEEE Access, 2021, 9, 108199-108199.	2.6	1
21	FAST: Flexible and Low-Latency State Transfer in Mobile Edge Computing. IEEE Access, 2021, 9, 115315-115334.	2.6	24
22	Intelligent Resource Management at the Edge for Ubiquitous IoT: An SDN-Based Federated Learning Approach. IEEE Network, 2021, 35, 114-121.	4.9	18
23	SpaRec: Sparse Systematic RLNC Recoding in Multi-Hop Networks. IEEE Access, 2021, 9, 168567-168586.	2.6	13
24	Optimised Traffic Light Management Through Reinforcement Learning: Traffic State Agnostic Agent vs. Holistic Agent With Current V2I Traffic State Knowledge. IEEE Open Journal of Intelligent Transportation Systems, 2020, 1, 201-216.	2.6	10
25	QR-SDN: Towards Reinforcement Learning States, Actions, and Rewards for Direct Flow Routing in Software-Defined Networks. IEEE Access, 2020, 8, 174773-174791.	2.6	48
26	Hardware-Accelerated Platforms and Infrastructures for Network Functions: A Survey of Enabling Technologies and Research Studies. IEEE Access, 2020, 8, 132021-132085.	2.6	50
27	Multi-Layer Decomposition of Network Utility Maximization Problems. IEEE/ACM Transactions on Networking, 2020, 28, 2077-2091.	2.6	13
28	Hardware Acceleration for Container Migration on Resource-Constrained Platforms. IEEE Access, 2020, 8, 175070-175085.	2.6	6
29	Reinforcing Cloud Environments via Index Policy for Bursty Workloads. , 2020, , .		6
30	DSEP Fulcrum: Dynamic Sparsity and Expansion Packets for Fulcrum Network Coding. IEEE Access, 2020, 8, 78293-78314.	2.6	31
31	Lifting-Based Fractional Wavelet Filter: Energy-Efficient DWT Architecture for Low-Cost Wearable Sensors. Advances in Multimedia, 2020, 2020, 1-13.	0.2	3
32	SMFrWF: Segmented Modified Fractional Wavelet Filter: Fast Low-Memory Discrete Wavelet Transform (DWT). IEEE Access, 2019, 7, 84448-84467.	2.6	15
33	A Multi-Layer Multi-Timescale Network Utility Maximization Framework for the SDN-Based LayBack Architecture Enabling Wireless Backhaul Resource Sharing. Electronics (Switzerland), 2019, 8, 937.	1.8	15
34	Edge-Boost: Enhancing Multimedia Delivery with Mobile Edge Caching in 5G-D2D Networks. , 2019, , .		13
35	Reinforcing the Edge: Autonomous Energy Management for Mobile Device Clouds. , 2019, , .		23
36	Reducing Latency in Virtual Machines: Enabling Tactile Internet for Human-Machine Co-Working. IEEE Journal on Selected Areas in Communications, 2019, 37, 1098-1116.	9.7	84

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37	Transport SDN at the dawn of the 5G era. <i>Optical Switching and Networking</i> , 2019, 33, 34-40.	1.2	9
38	Adaptable and Data-Driven Softwarized Networks: Review, Opportunities, and Challenges. <i>Proceedings of the IEEE</i> , 2019, 107, 711-731.	16.4	80
39	Performance Comparison of IEEE 802.1 TSN Time Aware Shaper (TAS) and Asynchronous Traffic Shaper (ATS). <i>IEEE Access</i> , 2019, 7, 44165-44181.	2.6	82
40	Reduction of Padding Overhead for RLNC Media Distribution With Variable Size Packets. <i>IEEE Transactions on Broadcasting</i> , 2019, 65, 558-576.	2.5	11
41	Reconfiguration Algorithms for High Precision Communications in Time Sensitive Networks. , 2019, , .		14
42	Remote Robot Control with Human-in-the-Loop over Long Distances Using Digital Twins. , 2019, , .		20
43	Progressive Multicore RLNC Decoding With Online DAG Scheduling. <i>IEEE Access</i> , 2019, 7, 161184-161200.	2.6	11
44	Device-Enhanced MEC: Multi-Access Edge Computing (MEC) Aided by End Device Computation and Caching: A Survey. <i>IEEE Access</i> , 2019, 7, 166079-166108.	2.6	146
45	Ultra-Low Latency (ULL) Networks: The IEEE TSN and IETF DetNet Standards and Related 5G ULL Research. <i>IEEE Communications Surveys and Tutorials</i> , 2019, 21, 88-145.	24.8	380
46	School fieldtrip to engineering workshop: pre-, post-, and delayed-post effects on student perceptions by age, gender, and ethnicity. <i>European Journal of Engineering Education</i> , 2019, 44, 745-768.	1.5	10
47	Unicast QoS Routing Algorithms for SDN: A Comprehensive Survey and Performance Evaluation. <i>IEEE Communications Surveys and Tutorials</i> , 2018, 20, 388-415.	24.8	121
48	Power profiling of multimedia sensor node with name-based segment streaming. <i>Multimedia Tools and Applications</i> , 2018, 77, 21417-21443.	2.6	4
49	R-FFT: Function Split at IFFT/FFT in Unified LTE CRAN and Cable Access Network. <i>IEEE Transactions on Broadcasting</i> , 2018, 64, 648-665.	2.5	19
50	Integrating Renewable Energy Resources Into the Smart Grid: Recent Developments in Information and Communication Technologies. <i>IEEE Transactions on Industrial Informatics</i> , 2018, 14, 2814-2825.	7.2	255
51	Efficient Multi-Rate Video Encoding for HEVC-Based Adaptive HTTP Streaming. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2018, 28, 143-157.	5.6	24
52	Performance Comparison of R-PHY and R-MACPHY Modular Cable Access Network Architectures. <i>IEEE Transactions on Broadcasting</i> , 2018, 64, 128-145.	2.5	9
53	On the Minimization of Glass-to-Glass and Glass-to-Algorithm Delay in Video Communication. <i>IEEE Transactions on Multimedia</i> , 2018, 20, 238-252.	5.2	23
54	FiWi network throughput-delay modeling with traffic intensity control and local bandwidth allocation. <i>Optical Switching and Networking</i> , 2018, 28, 8-22.	1.2	6

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55	Fulcrum: Flexible Network Coding for Heterogeneous Devices. IEEE Access, 2018, 6, 77890-77910.	2.6	44
56	Hardware Acceleration for RLNC: A Case Study Based on the Xtensa Processor with the Tensilica Instruction-Set Extension. Electronics (Switzerland), 2018, 7, 180.	1.8	8
57	LayBack: SDN Management of Multi-Access Edge Computing (MEC) for Network Access Services and Radio Resource Sharing. IEEE Access, 2018, 6, 57545-57561.	2.6	67
58	Guest Editorial Scalability Issues and Solutions for Software Defined Networks. IEEE Journal on Selected Areas in Communications, 2018, 36, 2595-2602.	9.7	23
59	Caterpillar RLNC With Feedback (CRLNC-FB): Reducing Delay in Selective Repeat ARQ Through Coding. IEEE Access, 2018, 6, 44787-44802.	2.6	38
60	Hybrid SDN Networks: A Survey of Existing Approaches. IEEE Communications Surveys and Tutorials, 2018, 20, 3259-3306.	24.8	236
61	Layered Cooperative Resource Sharing at a Wireless SDN Backhaul. , 2018, , .		11
62	Connection Establishment in LTE-A Networks: Justification of Poisson Process Modeling. IEEE Systems Journal, 2017, 11, 2383-2394.	2.9	37
63	LATMAPA: Load-Adaptive Throughput- MAXimizing Preamble Allocation for Prioritization in 5G Random Access. IEEE Access, 2017, 5, 1103-1116.	2.6	40
64	Network Coding in Heterogeneous Multicore IoT Nodes With DAG Scheduling of Parallel Matrix Block Operations. IEEE Internet of Things Journal, 2017, 4, 917-933.	5.5	48
65	Requirements, Design Challenges, and Review of Routing and MAC Protocols for CR-Based Smart Grid Systems. , 2017, 55, 206-215.		40
66	Full-Duplex Communication in Cognitive Radio Networks: A Survey. IEEE Communications Surveys and Tutorials, 2017, 19, 2158-2191.	24.8	159
67	Hybrid Collision Avoidance-Tree Resolution for M2M Random Access. IEEE Transactions on Aerospace and Electronic Systems, 2017, 53, 1974-1987.	2.6	28
68	PACE: Redundancy Engineering in RLNC for Low-Latency Communication. IEEE Access, 2017, 5, 20477-20493.	2.6	50
69	Caterpillar RLNC (CRLNC): A Practical Finite Sliding Window RLNC Approach. IEEE Access, 2017, 5, 20183-20197.	2.6	66
70	SFrWF: Segmented fractional wavelet filter based Dwt for low memory image coders. , 2017, , .		11
71	Guest Editorial Special Section on Smart Grid and Renewable Energy Resources: Information and Communication Technologies With Industry Perspective. IEEE Transactions on Industrial Informatics, 2017, 13, 3119-3123.	7.2	18
72	Latinx and Caucasian Elementary School Childrenâ€™s Knowledge of and Interest in Engineering Activities. Journal of Pre-College Engineering Education Research, 2017, 7, .	0.3	9

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73	Upstream Polling Protocols for Flow Control in PON/xDSL Hybrid Access Networks. IEEE Transactions on Communications, 2016, 64, 2971-2984.	4.9	9
74	Software Defined Optical Networks (SDONs): A Comprehensive Survey. IEEE Communications Surveys and Tutorials, 2016, 18, 2738-2786.	24.8	266
75	Control Plane Latency With SDN Network Hypervisors: The Cost of Virtualization. IEEE Transactions on Network and Service Management, 2016, 13, 366-380.	3.2	47
76	Function Split Between Delay-Constrained Routing and Resource Allocation for Centrally Managed QoS in Industrial Networks. IEEE Transactions on Industrial Informatics, 2016, 12, 2050-2061.	7.2	51
77	SDN-Based Smart Gateways (Sm-GWs) for Multi-Operator Small Cell Network Management. IEEE Transactions on Network and Service Management, 2016, 13, 740-753.	3.2	39
78	Scalable line-based wavelet image coding in wireless sensor networks. Journal of Visual Communication and Image Representation, 2016, 40, 418-431.	1.7	5
79	ZM-SPECK: A Fast and Memoryless Image Coder for Multimedia Sensor Networks. IEEE Sensors Journal, 2016, 16, 2575-2587.	2.4	41
80	White space: Definitional perspectives and their role in exploiting spectrum opportunities. Telecommunications Policy, 2016, 40, 319-331.	2.6	109
81	Grouping by Cycle Length (GCL) for long-range FiWi networks. Optical Switching and Networking, 2016, 21, 43-57.	1.2	3
82	Cognitive Radio for Smart Grids: Survey of Architectures, Spectrum Sensing Mechanisms, and Networking Protocols. IEEE Communications Surveys and Tutorials, 2016, 18, 860-898.	24.8	285
83	Survey on Network Virtualization Hypervisors for Software Defined Networking. IEEE Communications Surveys and Tutorials, 2016, 18, 655-685.	24.8	226
84	WVSNP-DASH: Name-Based Segmented Video Streaming. IEEE Transactions on Broadcasting, 2015, 61, 346-355.	2.5	18
85	Improved polling strategies for efficient flow control for buffer reduction in PON/xDSL hybrid access networks. , 2015, , .		1
86	Model-based control plane for fast routing in industrial QoS network. , 2015, , .		5
87	IEEE Access Special Section Editorial Smart Grids: a Hub of Interdisciplinary Research. IEEE Access, 2015, 3, 3114-3118.	2.6	41
88	Supporting multimedia learning with visual signalling and animated pedagogical agent: moderating effects of prior knowledge. Journal of Computer Assisted Learning, 2015, 31, 97-115.	3.3	78
89	A simple analytical throughput-delay model for clustered FiWi networks. Photonic Network Communications, 2015, 29, 78-95.	1.4	5
90	Transitional feedback schedules during computer-based problem-solving practice. Computers and Education, 2015, 81, 270-280.	5.1	12

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91	Color Coding of Circuit Quantities in Introductory Circuit Analysis Instruction. IEEE Transactions on Education, 2015, 58, 7-14.	2.0	15
92	FrWF-Based LMBTC: Memory-Efficient Image Coding for Visual Sensors. IEEE Sensors Journal, 2015, 15, 6218-6228.	2.4	29
93	Impact of Retransmission Limit on Preamble Contention in LTE-Advanced Network. IEEE Systems Journal, 2015, 9, 752-765.	2.9	38
94	Video Traffic Characteristics of Modern Encoding Standards: H.264/AVC with SVC and MVC Extensions and H.265/HEVC. Scientific World Journal, The, 2014, 2014, 1-16.	0.8	41
95	Evaluation of dynamic bandwidth allocation with clustered routing in FiWi networks. , 2014, , .		6
96	I. Want. Pixels. (Entering the Age of 4k). IEEE Potentials, 2014, 33, 27-30.	0.2	2
97	Introductory Circuit Analysis Learning From Abstract and Contextualized Circuit Representations: Effects of Diagram Labels. IEEE Transactions on Education, 2014, 57, 160-168.	2.0	20
98	Impact of report message scheduling (RMS) in 1G/10G EPON and GPON. Optical Switching and Networking, 2014, 12, 1-13.	1.2	15
99	DyCaPPON: Dynamic circuit and packet passive optical network. Optical Switching and Networking, 2014, 13, 135-147.	1.2	3
100	Representation sequencing in computer-based engineering education. Computers and Education, 2014, 72, 249-261.	5.1	26
101	On shortest single/multiple path computation problems in Fiber-Wireless (FiWi) access networks. , 2014, , .		4
102	FiWi Access Networks Based on Next-Generation PON and Gigabit-Class WLAN Technologies: A Capacity and Delay Analysis. IEEE/ACM Transactions on Networking, 2014, 22, 1176-1189.	2.6	88
103	Smart Camera Networks [Guest editors' introduction]. Computer, 2014, 47, 23-25.	1.2	27
104	Passive optical network (PON) supported networking. Optical Switching and Networking, 2014, 14, 1-10.	1.2	16
105	CluLoR: Clustered Localized Routing for FiWi Networks. Journal of Networks, 2014, 9, .	0.4	3
106	Low-Latency Polling Schemes for Long-Reach Passive Optical Networks. IEEE Transactions on Communications, 2013, 61, 2936-2945.	4.9	21
107	Offline and Online Multi-Thread Polling in Long-Reach PONs: A Critical Evaluation. Journal of Lightwave Technology, 2013, 31, 2018-2028.	2.7	61
108	Learning from abstract and contextualized representations: The effect of verbal guidance. Computers in Human Behavior, 2013, 29, 2239-2247.	5.1	13

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109	Circuits Kit "12 Outreach: Impact of Circuit Element Representation and Student Gender. IEEE Transactions on Education, 2013, 56, 316-321.	2.0	13
110	EIBT: Exclusive Intervals for Bulk Transfers on EPONs. Journal of Lightwave Technology, 2013, 31, 99-110.	2.7	5
111	Animated agents in K-12 engineering outreach: Preferred agent characteristics across age levels. Computers in Human Behavior, 2013, 29, 1807-1815.	5.1	26
112	Investigating the impact of pedagogical agent gender matching and learner choice on learning outcomes and perceptions. Computers and Education, 2013, 67, 36-50.	5.1	54
113	Traffic and Statistical Multiplexing Characterization of 3-D Video Representation Formats. IEEE Transactions on Broadcasting, 2013, 59, 382-389.	2.5	39
114	Erratum to "Low-Memory Wavelet Transforms for Wireless Sensor Networks: A Tutorial". IEEE Communications Surveys and Tutorials, 2013, 15, 2122-2122.	24.8	0
115	Pedagogical Agent Signaling of Multiple Visual Engineering Representations: The Case of the Young Female Agent. Journal of Engineering Education, 2013, 102, 319-337.	1.9	78
116	Analytical framework for the capacity and delay evaluation of next-generation FiWi network routing algorithms. , 2013, , .		3
117	Engineering perceptions of female and male K-12 students: effects of a multimedia overview on elementary, middle-, and high-school students. European Journal of Engineering Education, 2013, 38, 519-531.	1.5	16
118	Traffic models for H.264 video using hierarchical prediction structures. , 2012, , .		1
119	A Less-Is-More Architecture (LIMA) for a Future internet. , 2012, , .		4
120	Technological Literacy Learning With Cumulative and Stepwise Integration of Equations Into Electrical Circuit Diagrams. IEEE Transactions on Education, 2012, 55, 480-487.	2.0	19
121	Handling randomness of multi-class Random Access loads in LTE-Advanced network supporting small data applications. , 2012, , .		5
122	Investigation of the DBA Algorithm Design Space for EPONs. Journal of Lightwave Technology, 2012, 30, 2271-2280.	2.7	85
123	Animated engineering tutors: Middle school students' preferences and rationales on multiple dimensions. , 2012, , .		2
124	VMP: A MAC Protocol for EPON-Based Video-Dominated FiWi Access Networks. IEEE Transactions on Broadcasting, 2012, 58, 440-453.	2.5	17
125	H.264 Coarse Grain Scalable (CGS) and Medium Grain Scalable (MGS) Encoded Video: A Trace Based Traffic and Quality Evaluation. IEEE Transactions on Broadcasting, 2012, 58, 428-439.	2.5	31
126	Video Transport Evaluation With H.264 Video Traces. IEEE Communications Surveys and Tutorials, 2012, 14, 1142-1165.	24.8	167

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127	Multicast capacity of optical ring network with hotspot traffic: The bi-directional WDM packet ring. <i>Optical Switching and Networking</i> , 2012, 9, 61-80.	1.2	1
128	Efficient delivery of frequent small data for U-healthcare applications over LTE-advanced networks. , 2012, , .		12
129	Delay analysis for ethernet long-reach passive optical networks. , 2012, , .		8
130	Low-Memory Wavelet Transforms for Wireless Sensor Networks: A Tutorial. <i>IEEE Communications Surveys and Tutorials</i> , 2011, 13, 291-307.	24.8	54
131	Work in progress — Modules and laboratories for a pathways course in signals and systems. , 2011, , .		1
132	A strawman proposal for future diverse internets. , 2011, , .		2
133	Towards Efficient Wireless Video Sensor Networks: A Survey of Existing Node Architectures and Proposal for A Flexi-WVSNP Design. <i>IEEE Communications Surveys and Tutorials</i> , 2011, 13, 462-486.	24.8	96
134	Impact of EPON DBA Components on Performance. , 2011, , .		1
135	Objective Video Quality Assessment Methods: A Classification, Review, and Performance Comparison. <i>IEEE Transactions on Broadcasting</i> , 2011, 57, 165-182.	2.5	493
136	Editorial for First Quarter 2011 <i>IEEE Communications Surveys & Tutorials</i> . <i>IEEE Communications Surveys and Tutorials</i> , 2011, 13, 1-2.	24.8	5
137	Capacity and Delay Analysis of Next-Generation Passive Optical Networks (NG-PONs). <i>IEEE Transactions on Communications</i> , 2011, 59, 1378-1388.	4.9	67
138	Performance evaluation of the fractional wavelet filter: A low-memory image wavelet transform for multimedia sensor networks. <i>Ad Hoc Networks</i> , 2011, 9, 482-496.	3.4	36
139	Teaching with concrete and abstract visual representations: Effects on students' problem solving, problem representations, and learning perceptions.. <i>Journal of Educational Psychology</i> , 2011, 103, 32-47.	2.1	83
140	The Effects of Priority Levels and Buffering on the Statistical Multiplexing of Single-Layer H.264/AVC and SVC Encoded Video Streams. <i>IEEE Transactions on Broadcasting</i> , 2010, 56, 281-287.	2.5	17
141	Overview and Traffic Characterization of Coarse-Grain Quality Scalable (CGS) H.264 SVC Encoded Video. , 2010, , .		10
142	Pre-college Electrical Engineering Instruction: The Impact of Abstract vs. Contextualized Representation and Practice on Learning. <i>Journal of Engineering Education</i> , 2010, 99, 225-235.	1.9	34
143	Shortest propagation delay (SPD) first scheduling for EPONs with heterogeneous propagation delays. <i>IEEE Journal on Selected Areas in Communications</i> , 2010, 28, 849-862.	9.7	44
144	Towards a Fundamental Understanding of the Stability and Delay of Offline WDM EPONs. <i>Journal of Optical Communications and Networking</i> , 2010, 2, 51.	3.3	9

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145	Video network traffic and quality comparison of VP8 and H.264 SVC. , 2010, , .		14
146	Optimizing Workedâ€Example Instruction in Electrical Engineering: The Role of Fading and Feedback during Problemâ€Solving Practice. Journal of Engineering Education, 2009, 98, 83-92.	1.9	49
147	Pre-college electrical engineering instruction: do abstract or contextualized representations promote better learning?. , 2009, , .		10
148	Evaluation of Physical Carrier Sense Based Backbone Maintenance in Mobile Ad Hoc Networks. International Journal of Vehicular Technology, 2009, 2009, 1-13.	1.1	1
149	The Audacity of Fiber-Wireless (FiWi) Networks. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2009, , 16-35.	0.2	28
150	Implications of Smoothing on Statistical Multiplexing of H.264/AVC and SVC Video Streams. IEEE Transactions on Broadcasting, 2009, 55, 541-558.	2.5	60
151	Energy-Efficient Video Transmission Over a Wireless Link. IEEE Transactions on Vehicular Technology, 2009, 58, 1229-1244.	3.9	40
152	Evaluation of physical carrier sense based spanner construction and maintenance as well as broadcast and convergecast in ad hoc networks. Ad Hoc Networks, 2009, 7, 1347-1369.	3.4	5
153	Online excess bandwidth distribution for Ethernet passive optical networks. Journal of Optical Networking, 2009, 8, 358.	2.5	18
154	When Are Online and Offline Excess Bandwidth Distribution Useful in EPONs?. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2009, , 36-45.	0.2	4
155	MultiChannel EPONs. Optical Networks Series, 2009, , 197-217.	1.1	0
156	Continuous-Time Collaborative Prefetching of Continuous Media. IEEE Transactions on Broadcasting, 2008, 54, 36-52.	2.5	12
157	Corrections to Video Texture and Motion Based Modeling of Rate Variability-Distortion (VD) Curves. IEEE Transactions on Broadcasting, 2008, 54, 166-166.	2.5	0
158	Multicast Capacity of Packet-Switched Ring WDM Networks. IEEE Transactions on Information Theory, 2008, 54, 623-644.	1.5	16
159	Ethernet passive optical network architectures and dynamic bandwidth allocation algorithms. IEEE Communications Surveys and Tutorials, 2008, 10, 46-60.	24.8	167
160	Just-in-Time Scheduling for Multichannel EPONs. Journal of Lightwave Technology, 2008, 26, 1204-1216.	2.7	82
161	Delay analysis of Ethernet passive optical networks with gated service. Journal of Optical Networking, 2008, 7, 25.	2.5	59
162	Traffic characteristics of H.264/AVC variable bit rate video. , 2008, 46, 164-174.		40

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163	A survey of multimedia streaming in wireless sensor networks. IEEE Communications Surveys and Tutorials, 2008, 10, 18-39.	24.8	324
164	Traffic and Quality Characterization of the H.264/AVC Scalable Video Coding Extension. Advances in Multimedia, 2008, 2008, 1-27.	0.2	27
165	Traffic and Quality Characterization of Single-Layer Video Streams Encoded with the H.264/MPEG-4 Advanced Video Coding Standard and Scalable Video Coding Extension. IEEE Transactions on Broadcasting, 2008, 54, 698-718.	2.5	157
166	Trends in Optical Switching Techniques: A Short Survey. IEEE Network, 2008, 22, 42-47.	4.9	14
167	WDM star subnetwork upgrade of optical ring networks for maximum spatial reuse under multicast traffic. IEEE Journal on Selected Areas in Communications, 2007, 25, 55-67.	9.7	1
168	On the multicast capacity of unidirectional and bidirectional packet-switched WDM ring networks. IEEE Journal on Selected Areas in Communications, 2007, 25, 105-119.	9.7	4
169	Learner Achievement and Attitudes under Different Paces of Transitioning to Independent Problem Solving. Journal of Engineering Education, 2007, 96, 45-56.	1.9	13
170	Multicasting in a WDM-upgraded Resilient Packet Ring. Journal of Optical Networking, 2007, 6, 415.	2.5	4
171	Multicast Capacity of Optical Packet Ring for Hotspot Traffic. Journal of Lightwave Technology, 2007, 25, 2638-2652.	2.7	4
172	STARGATE: the next evolutionary step toward unleashing the potential of WDM EPONs [Topics in Optical Communications]. , 2007, 45, 50-56.		62
173	Just-in-Time Online Scheduling for WDM EPONs. , 2007, , .		7
174	Work in progress - instructional strategies for pre-college engineering education. Proceedings - Frontiers in Education Conference, FIE, 2007, , .	0.0	0
175	Active and cooperative learning in a freshman digital design course: impact on persistence in engineering and student motivational orientation. Proceedings - Frontiers in Education Conference, FIE, 2007, , .	0.0	7
176	Adaptive bitstream switching of scalable video. Signal Processing: Image Communication, 2007, 22, 809-832.	1.8	1
177	Video Texture and Motion Based Modeling of Rate Variability-Distortion (VD) Curves. IEEE Transactions on Broadcasting, 2007, 53, 637-648.	2.5	16
178	Corrections to "Video texture and motion based modeling of rate variability-distortion (VD) curves". IEEE Transactions on Broadcasting, 2007, 53, 811-811.	2.5	0
179	MANET Routing with Provably Low Complexity Through Constant Density Clustering and Route Request Broadcast. Wireless Personal Communications, 2007, 43, 605-621.	1.8	8
180	Toward a Fundamental Understanding of Worked Example Instruction: Impact of Means-Ends Practice, Backward/Forward Fading, and Adaptivity. , 2006, , .		14

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181	Cluster overlay broadcast (COB): MANET routing with complexity polynomial in source-destination distance. IEEE Transactions on Mobile Computing, 2006, 5, 653-667.	3.9	26
182	Semantically Coupled Header Compression. , 2006, , .		0
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